

Accelerator/Booster Relay Conversion

Packaging

12-862205-000 - Plug-In Accelerator/Booster Relay Package

<u>Qty</u>	<u>Description</u>
1	Mounting Track
2	Relay Base (12-862036-000)
2	Relay (12-862035-000)
4	Relay Clips
2	#6-32 x 5/8" Pan Head Screws (11-012276-001)
2	Keeps Nuts (11-176005-001)

Warning! **Remove power to both pinsetters AND the accelerator/booster box by turning off all three (3) circuit breakers AND unplugging the main power cords to the electrical boxes.**

NOTE: *Figure 1 shows a simplified wiring diagram to assist with installation. Please refer to the wiring schematic in the A2 Service Manual, P/N 12-752828-000, (Figure 65), for wire locations to the original accelerator/booster relays.*

Existing Relay Removal

1. Locate the wires going to the original relays. Label the wires based on where they originate. Refer to *Figure 65* in A2 Service Manual, P/N 12-752828-000 for additional information. When finished, you should have the following wires labeled:

Left Pinsetter: LH W, LH B, L LIFT 1, L LIFT 2

Right Pinsetter: RH W, RH B, R LIFT 1, R LIFT 2

Common: MTR W , MTR B

2. Once labeled, remove the wires from the original relays.

IMPORTANT: *There are two (2) jumper wires between the relays that create a common connection between the relays' terminals. Retain these wires for reuse during installation of the new relays.*

3. Remove the screws securing the relays to the electrical box.
4. Remove the relays.

Installation

1. Secure the section of mounting track to the electrical box using the hardware provided.
2. Snap the relay bases onto the mounting track.
3. Install wires following the new wiring diagram for the relay bases. Refer to *Figure 1*.

IMPORTANT: Do not forget to install jumper wires retained during removal of the original relay at terminals 3 and terminals 4 of the new relays.

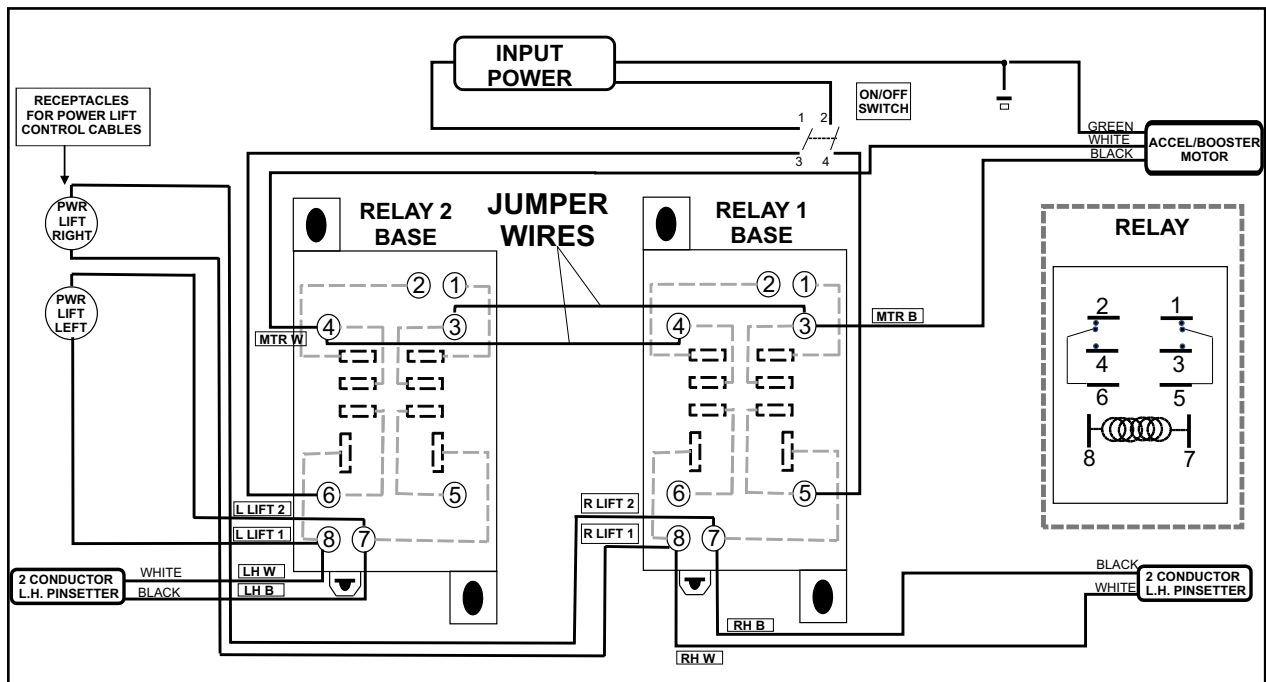


Figure 1. Simplified Wiring Diagram

4. Install relay clips into the relay bases by pushing them through the slot in the top of the base until they click.
5. Align the relay pins with the pattern on the relay base and insert the relays into their base.
6. Secure the relay clips over the top of the relay housings to secure them in place.
7. Re-install the cover on the electrical box.
8. Plug in the main power cord and turn on all three (3) circuit breakers.
9. Restore power, individually, to each machine to test the function of the new relays and verify the accelerator/booster motor and power lift are properly turning on and off when either lane is power.